

KUDRYASHOV, S.A.

Subject : USSR/Electricity

AID P - 1968

Card 1/1 Pub. 29 - 17/25

Author : Kudryashov, S. A., Eng.

Title : Standardized chamber with main switches of the
"GIPROShAKhT".

Periodical : Energetik, 4, 30, Ap 1955

Abstract : The author points out a contradiction which exists between the government-approved Rules for the Execution of Electric Installations and the standardized designs of 6-10-kv substations with load switches worked out by the GIPROShAKhT (State Institute for the Planning of Mining Developments in the Coal Industry). This variance should be corrected in the designs. Two drawings.

Institution: None

Submitted : No date

Kudryashov, S. A.

Subject : USSR/Electricity

AID P - 2073

Card 1/1 Pub. 26 - 15/29

Author : Kudryashov, S. A., Eng.

Title : Reducing the cost of substations and modernization of their construction. (Discussion of an article by A. B. Krikunchik, this journal, 1954, No.2)

Periodical: Elek. sta., 4, 45-46, Ap 1955

Abstract : The author criticizes this article, maintaining that the questions raised should be more precise and detailed. He makes some suggestions on possible improvements in the design of the substations' equipment and on having more central dispatcher offices.

Institution: None

Submitted : No date

KUDRYASHOV, S.A.

AID P - 2541

Subject : USSR/Electricity

Card 1/2 Pub. 26 - 25/32

Authors : Chernyshevich, V. I., S. A. Kudryashov, E. A. Bugrinov,
R. R. Mamoshin, K. A. Orlov, V. M. Yefremov, Engs.

Title : On G. M. Kayalov's article "6-10 kv switch gear and
control equipment in 2-story substations" (Letters
from readers)

Periodical : Elek sta, 6, 54-56, Je 1955

Abstract : G. M. Kayalov in his article (No. 10, 1954, this
journal) suggested the erection of 2-story substations
for 6-10 kv switchgear instead of the standard 3-story
buildings erected for industrial and regional sub-
stations. His suggestions are considered favorably
by several engineers. However, some recommendations
on the distribution of the equipment and on the layout
of the 2-story substations are made. One diagram.

Elek sta, 6, 54-56, Je 1955

Card 2/2 Pub. 26 - 25/32

Institution : None

Submitted : No date

AID P 2541

KUDRYASHOV, S. A.

AID P - 3094

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 28/29

Authors : Editors

Title : Concerning the article by S. A. Kudryashov "Standardized chamber with main switches of the Giproshakht", in this journal, No. 4, 1955

Periodical : Energetik, 7, 40, J1 1955

Abstract : The editors explain that the remarks of S. A. Kudryashov in his article concerned the old project which has been cancelled. A new project was issued for standardized substations, bearing the number N-HP-217-53.

Institution : None

Submitted : No date

AID P - 2915

Subject : USSR/Electricity

Card 1/2 Pub. 26 - 12/32

Authors : Motovilov, V. V., Kand. Tech. Sci., Kuybyshev Industrial Institute im. Kuybyshev; B. S. Uspenskiy, Kand. Tech. Sci., Moscow Power Institute im. Molotov; M. Yu. Rozenfayn, Eng., Ukrainian State Institute for Planning of Mining; V. I. Chernyshevich, Eng., Dnepr Power System; S. A. Kudryashov, Eng., Kuybyshev "Elektroproyekt"; L. Ya. Rozensteyn, Eng., "Promenergoprojekt"; and L. L. Perel'man, Eng., Kiev Construction in the Case Industry

Title : Discussions; On the arrangement of electrical equipment in the main building of small and medium-size electric power plants

Periodical : Elek.sta., 7, 40-44, J1 1955

Abstract : The layout and arrangement of equipment at power plants are discussed in a series of articles by the authors listed above. The question of an efficient distribution with possible savings in material of electrical equipment

Elek. sta., 7, 40-44, J1 1955

AID P - 2915

Card 2/2 Pub. 26 - 12/32

is considered in detail. A reduction in the powerhouse volume is recommended. However, more research should be done before a standard design for layouts can be accepted. The problem of changing solenoid mechanisms over to springs needs more study. Three diagrams.

Institution : None

Submitted : No date

Subject : USSR/Electricity AID P - 3453

Card 1/2 Pub. 27 - 20/32

Author : Kudryashov, S. A., Kuybyshev

Title : Complete assembled substations of most wide use
(Article by A. A. Yermilov, this journal, No. 6, 1954;
discussion)

Periodical : Elektrichestvo, 10, 69-70, 0 1955

Abstract : The author is of the opinion that the limiting values of short-circuit capacity as presented in table 1 by A. A. Yermilov are too high. He suggests a different list. He also criticizes the automation scheme as impossible to be built for mass use. The problem of automation for such pre-assembled substations still requires further study. The author goes into several technical details of the suggested solutions. Two diagrams.

Elektrichestvo, 10, 69-70, 0 1955

AID P - 3453

Card 2/2 Pub. 27 - 20/32

Institution : None

Submitted : No date

KUDRYASHOV, S.A., inzhener.

Remarks on engineer T.P.Musatov's article "Protective cable of
a 110 kv two-wire line." Elek. sta. 26 no.1:58 Ja '55.

(Electric cables)(Musatov, T.P.)

(MLRA 8:3)

KUDRYASHOV, S.A.

GOL'DSHTEYN, G.M., inzhener (Kuybyshev); SIN'KOV, V.M., kandidat
tekhnicheskikh nauk (Kuybyshev) KUDRYASHOV, S.A., inzhener;
ROZENSHTEYN, L.Ya., inzhener.

Reducing the cost and industrialized construction of sub-
station equipment. Elek.sta. 26 no.4:43-46 Ap '55. (MLRA 8:6)

1. Tyazhpromenergoprojekt (for Kudryashov) 2. Promenergoprojekt
(for Rozenshteyn)
(Electric substations)

XUDRYASHOV, S.A., inzhener; GLUSHKO, V.V., inzhener; PAVLOV, N.H., kandidat
tekhnicheskikh nauk; MAYFELD, M.R., inzhener.

Comments on M.R.Naifel'd's article "Grounding portable installations
and machinery." Energetik 4 no.9:3-7 S '56. (MLBA 9:10)
(Electric engineering--Safety measures)(Electric currents--Grounding)

KUDRYASHOV, S.A., inzh.; KOZLOV, V.A., inzh.; AYZENBERG, B.L., kand. tekhn. nauk.

Technical and economic comparison of urban power networks. Elektrichestvo no.12:71-73 D '56. (MIRA 11:3)

1. Kuybyshevskoye otdeleniye Elektroproyekta (for Kudryashov). 2. Leningradskaya kabel'naya set' (for Koslov). 3. Leningradskiy inzhenerno-ekonomicheskii institut im. Molotova (for Ayzenberg).
(Electric networks)

KUDRYASHOV S.A.

Concerning G.M. Kaialov's article "Economic evaluation of methods of
increasing $\cos \varphi$ in industrial plants." Energ. biul. no.5:20 My '57.
(Electric power) (Kaialov, G.M.) (MLEA 10:6)

X 4017 011 011 011
KOZLOV, V.A.; KUDRYASHOV, S.A.; YERMILOV, A.A., inzhener.

Using lead breaking switches; in regard to A.A. Ermilev's article.
Prom. energ. 12 no.3:5-8 Mr '57. (MIRA 10:4)

1. Leningradskaya kabel'naya set' Lenenerge (for Kozlov).
2. Kuybysheskiye otdeleniye GPI Elektriprojekt (for Kudryashov).
3. GPI "Tyazhpromelektroprojekt" (for Yermolov).
(Electric circuit breakers)

KUDRYASHOV, S.A., inzhener.

Change in the rated power of transformers depending on the condition of the surrounding medium. Prom. energ. 12 no.4:31 Ap '57. (MLHA 10:5)

1. Kuybyshevskoye otdeleniye Gosudarstvennogo proyektnogo instituta "Elektroproyekt".
(Electric transformers)

KUDRYASHOV, S.A.; SAKHMOWSKIY, N.L., inzhener.

On Engineer I.T. Dashchenko's article "Simplifying substations
and 6-110 kv. transmission lines." Elek. sta. 28 no.5:86-87 My
'57. (MLBA 10:6)

(Electric lines)

AUTHOR: Kudryashov, S.A. 90-52-3-2/3

TITLE: The Influence of the Term of Economic Exploitation on the Choice of the Power of a Battery of 0.38 kv Static Condensers (Vliyaniye sroka okupayemosti na vybor moshchnosti batarei staticheskikh kondensatorov 0.38 kv)

PERIODICAL: Energeticheskiy byulleten', 1958, Nr 3, pp 5-6 (USSR)

ABSTRACT: The author describes various methods of determining the term of economic exploitation of the condenser battery: 1) working from the running costs; 2) G.M. Kayalov's method based on production costs; 3) A.A. Stepankov's method based on the minimum cost while taking into account increased reproduction and fiscal costs. The term of economic exploitation is 8, 11 and 6.25 years respectively. The author, wishing to take into account the degree of error of 10 % in determining the reactive capacity Q_r , compiled the equation:

$$K_{11}Q_r - \frac{d}{R_e} = Q_r - \frac{8d}{11R_e}$$

Card 1/2

90-58-3-2/9

The Influence of the Term of Economic Exploitation on the Choice of the Power of a Battery of 0.38 kv Static Condensers

where K_{11} is the error factor, R_e is the equivalent active resistance of the phase of the transformer and network in ohms, and

$$d = \frac{1,000 u^2 (A_n - A_v)}{2aTn}$$

where u is the voltage in kv, $A_n - A_v$ is the difference in cost of 1 reactive kva of the LT and HT battery assembly in rubles, a is the cost of 1 kw hr in rubles, T is the number of working hours per year and n is the term of economic exploitation in years. From these equations the degree of error K is worked out for the three terms of economic exploitation.

There are 2 Soviet references.

1. Condensers--Production
2. Condensers--Power factors--Economic aspects

Card 2/2

105-58-4-21/37

AUTHORS: Kudryashov, S. A., Engineer, Moronov, Ye. P., Docent,
Musatov, T. P., Engineer, Dvoskin, L. I., Engineer

TITLE: Objective Method for the-Evaluation of Schemes of Electric
Connections (Ob'yektivnyy metod otsenki skhem elektricheskikh
soyedineniy)

PERIODICAL: Elektrichestvo, 1958, Nr 4, pp. 74-77 (USSR)

ABSTRACT: This is a reaction to the article by L. I. Dvoskin in Elektrichestvo,
1956, Nr 8. 1. The specific deficiency of the belt-contact must be
added to table 1. The formula (1) does not take into account the
influence of damage of the connections of sectional introductions on
the increase of the annual damage. The assumption that with a de-
crease of the number of lines to the consumers in every section, the
probability of damage decreases must be made more precise. 2. The
suggested method is interesting. It is, however, unacceptable. a) The
conclusion of the probability of the disconnection was drawn from mean
statistical data and therefore can be completely wrong.

Card 1/3

105-58-4-21-57

Objective Method for the Evaluation of Schemes of Electric Connections

b.) A conclusion valid today can be completely wrong in 1-2 years at the present development of engineering. 3. The suggestion of regarding the specific damage of the electrical equipment as an objective index must be fully rejected as this would only lead to a distortion of the real representation. 4. Dvoskin never designed for specific damage a basic index. Whether Musatov likes it or not, the susceptibility of the electrical equipment always supplies doubtlessly objective and very important data for the evaluation of electric connection schemes. The proposal by Kudryashov (bolt contact) is not regarded as useful by Dvoskin. Dvoskin replies to Mironov's answer that the data on the susceptibility of the equipment are not invariable and constantly change with progress. There are 3 figures, and 1 table.

Card 2/3

Objective Method for the Evaluation of Schemes of
Electric Connections

105-58-4-21/57

ASSOCIATION: 1) Kuybyshevskoye otdeleniye Elektroproyekta
(Kuybyshev Branch of the Electroproject)
2) Novochoerkasskiy politekhnicheskiy institut
(Novochoerkassk Polytechnical Institute)
3) Donbassenergo

AVAILABLE: Library of Congress

1. Electrical equipment-Theory
2. Damage control-Theory
3. Connectors (Electrical)-Study and teaching

Card 3/3

AUTHOR: Kudryashov, S.A., Engineer 91-58-6-18/39

TITLE: Use of Bushings PA and PB Without Contact Bolts (Primeneniye prokhodnykh izolyatorov PA i PB bez boltovykh kontaktov)

PERIODICAL: Energetik, 1958, Nr 6, pp 20-21 (USSR)

ABSTRACT: Bushing type PA and PB for currents from 250 to 600 amps are normally produced with rectangular copper shafts and attached to the bars of the assembly with contact bolts. The author proposes that the shaft be removed and the aluminum or steel bar of the distributor chamber passed through the bushings, thus avoiding labor-consuming bolt connections and saving copper, although the permissible maximum load is reduced. There is one figure and two tables.

AVAILABLE: Library of Congress

Card 1/1 1. Bushings-Modification

AUTHOR: Kučeryashov, S.A. SOV-90-58-9-8/8

TITLE: On N.S. Movsesov and A.N. Glazkov's Article "Some Problems of the Power Supply to the Pumping Stations of an External Water Injection System" (Po povodu stat'i N.S. Movsesova i A.N. Glazkova "Nekotoryye voprosy elektrosnabzheniya nasosnykh stantsiy zakonturnogo zavodneniya")

PERIODICAL: Energeticheskiy byulleten', 1958, Nr 9, pp 32 (USSR)

ABSTRACT: The author disagrees with several technical points raised in the mentioned article, which was published in Energeticheskiy byulleten', Nr 7, 1957.

1. Water injection systems 2. Pumps---Applications

Card 1/1

USCOMM-DC-55597

SOV/94-58-12-5/19

AUTHORS: Grodskiy, S.Ye., Engineer
Kudryashov, S.A.,
Lifshits, V.L. and Rattel', K.N.

TITLE: On the Ventilation of Transformer Chambers (K voprosu
o ventilyatsii transformatornykh kamer)

PERIODICAL: Promyshlennaya Energetika, 1958, Nr 12, pp 12-14 (USSR)

ABSTRACT: Under this heading there are three separate short
articles discussing the article by Shnitser, Zotov and
Khesin published in Promyshlennaya Energetika, 1957, Nr 12.
Grodskiy, S.Ye., pp 12-13

This author considers that the original article
correctly states that it is not necessary to provide
ventilation shafts in closed transformer chambers for
outputs up to 1 MVA. The author's institute is designing
transformer chambers of this kind. However, various
objections are raised to the ventilation arrangements
proposed by the authors. The air resistance formulae
that they give are not accurate. The recommended

Card 1/3 ventilation arrangements are not satisfactory. The

SOV/94-58-12-5/19

On the Ventilation of Transformer Chambers

practical experience of transformer cooling noted in the article is not sufficient. The latest design of transformer chamber used by the author's organisation overcomes these defects and is briefly described with reference to the sketch. Air reaches the transformer from one side and from underneath and leaves near the top. This method of construction has been successful in practice.

ASSOCIATION: Giprotaktorosel'khoz mash

Kudryashov, S.A., p 13

This author states that the original authors should not have used the maximum permissible outlet air temperature at 45°C but should have used a mean temperature of 40°C. Therefore, the table of ventilating duct areas gives values that are too low.

ASSOCIATION: GPI Elektroyekt, g. Kuybyshev (State Planning
Card 2/3 Institute Elektroyekt in Kuybyshev)

SOV/94-58-12-5/19

On the Ventilation of Transformer Chambers

Lifshits, V.L., and Rattel' K.N., p 14

Operating experience with transformer substations in textile factories in Central Asia which are fully loaded all day shows that the recommended method of ventilation is not adequate in this case. In such circumstances, the use of ventilating shafts has been found very effective. In the test results described in the original article insufficient reference is made to climatic conditions. The authors' organisation has to use more generous ventilation arrangements than are recommended in the article.

ASSOCIATION: Gosudarstvennyy proyektnyy institut Nr 1 (The State Design Institute Nr 1)

Card 3/3

AUTHOR: Kudryashov, S.A. (Engineer) 94-2-23/27
TITLE: Economy of high-quality steel for earthing devices (Ob ekonomii sortovoy stali dlya zazemlyayushchikh ustroystv.)
PERIODICAL: Promyshlennaya Energetika, 1958, Vol.13. No.2. pp.35-36 (USSR)
ABSTRACT: This brief note states that although steel bar is often used for earthing devices, particularly for transmission line towers and lightning conductors, the practice can be wasteful. A sketch demonstrates that it is often more economical to use trip than bar. There is 1 figure.
ASSOCIATION: Elektroyekt, g. Kuybyshev
AVAILABLE: Library of Congress.
1. Steel-Applications 2. Electrical equipment-Grounding

Card 1/1

YERMILOV, A.A., inzh.; SEULIN, N.A., inzh.; CHIZHISHIN, P.L., inzh.; CHEPELE, Yu.M., inzh.; MUSATOV, T.P., inzh.; FEDOROV, A.A., kand. tekhn. nauk; YAROSHETSKIY, L.M., inzh.; GOL'DENBLAT, B.I., inzh.; KUDRYASHOV, S.A., inzh.; ZAKHAROV, N.N., inzh.; SHCHUKIN, B.D., inzh.

Improving planning of industrial power supply. Prom. energ. 13 no. 7: 18-29 j1. '58. (MIRA 11:10)

1. Tyazhpromelektroproyekt. (for Yermilov). 2. Zhemproyektas, g. Kaunas (for Chepele). 3. Denbassenergo (for Musatov). 4. Moskovskiy energeticheskii institut (for Fedorov). 5. Uzgiprovedkhoz, g. Tashkent (for Yaroshetskiy). 6. Proyektnyy institut Ministerstva stroitel'stva USSR, Odessa (for Gol'denblat). 7. Elektroproyekt, g. Kuybyshev (for Kudryashov). 8. Gosradioelektronika (for Zakharov). 9. Sidreproyekt, g. Kuybyshev (for Shchukin).

(Electric power)

GRODSKIY, S.Ye., inzh.; KUDRYASHOV, S.A.; LIFSHITS, V.L.; RATTEL', K.N.

Ventilating transformer chambers. Prom.energ. 13 no.12:12-14 D '58.
(MIRA 12:1)

1. Giprotaktorosel'khoz mash (for Grodskiy). 2. Gosudarstvennyy proyektnyy institut Elektroproyekt, g.Kybyshav (for Kudryashov). 3. Gosudarstvennyy proyektnyy institut No.1 (for Lifshits, Rattel').
(Electric transformers--Ventilation)

YAKUBOV, V.F., inzh.; VAYSBROD, S.A., inzh.; KUDRYASHOV, S.A., inzh.

New grounding system for electric installations. Nov. tekhn. i pered.
op. v stroi. 20 no.3:27-28 M '58. (MIRA 11:3)
(electric currents--grounding)

Kudryashov, S. A.
KUDRYASHOV, S.A., inzh.

Standard small and medium transformer substations. Elek.sta.
29 no.1:90 Ja '58. (MIRA 11:2)
(Electric substations)

KUDRYASHOV, S.A., inzh.; LEVIN, F.P., inzh.

Switchgear layout with bus bars in the lower part. Elek. sta. 29
no.4:90-91 Ap '58. (MIRA 11:8)

(Electric switchgear)

KUDRYASHOV, S.A., inzh.; YAKUBOV, V.F., inzh.

Measuring the resistance of depressed groundings of 220 kv.
electric power lines. Elek.sta. 29 no.8:85-86 Ag '58.
(MIRA 11:11)

(Electric lines--measurement) (Electric currents--Grounding)

KRIKUNCHIK, A.B., inzh.; LOPSHITS, L.M., inzh.; IOGANSO, N.Ye., inzh.; SUMAROKOV, B.P., inzh.; KUDRYASHOV, S.A., inzh.

Distribution system of 6-10 kv. with reactors on the external connectors.
Elek. sta. 29 no.10:79-83 0 58. (MIRA 11:11)

1. Teploelektroproyekt. (for Krikunchik, Lopshits). 2. Promenergoprojekt (for Ioganson, Sumarokov). 3. Knybyshevskoye otdeleniye Elektoroproekta (for Kudryashov).
(Electric power distribution)

QUREVICH, S.L., inzh.; ROGOVIN, N.A., inzh.; KUDRYASHOV, S.A., inzh.

Layout of the construction site of large state-owned regional
electric power plants. Elek.sta. 29 no.11:88-89 H '58.
(MIRA 11:12)

(Electric power plants)

KUDRYASHOV, S.A., inzh.

Streamlined transformer chamber. Prom.energ. 14 no.2:35-36 F '59.
(MIRA 12:3)

(Electric transformers--Cooling)

KUDRYASHOV, S.A.

Decrease in the cost of the structural parts of indoor
~~distri~~bution systems and transformer stations. Prom. energ.
16 no.4:39-40 Ap '61. (MIRA 14:9)
(Electric power distribution)
(Electric substations)

KUDRYASHOV, S.A., inzh.

Concerning N.N. Beliakov's article "Simplification of 35kv.
ORU equipment." Energetik 10 no.3:30 Mr '62. (MIRA 15:2)
(Electric power distribution--Equipment and supplies)

BURYAKOV, V.S., ¹tekhnik; PETRUKOVICH, V.D., inzh.; KIRNOV, Ye.S., inzh.;
METEL'NIKOV, V.I., inzh.; KUDRYASHOV, S.A., inzh.

Concerning V.V.Vasil'ev's article "Should equipment be
grounded or reliably insulated?". Energetik 10 no.12:15-17
D '62. (MIRA 16:1)

(Electric lines—Overhead)

KUDRYASHOV, S.A.

Discussing N.N.Beliakov's article "Simplified foundations for
110/35/10(6) kilowatt transformers." Prom.energ. 17 no.2:51
F '62. (MIRA 15:3)

1. Kuybyshevskoye otdeleniye Gosudarstvennogo proyektnogo instituta
"Elektroproyekt".

(Electric transformers--Foundations)
(Beliakov, N.N.)

MAVRITSYN, A.M.; KUDRYASHOV, S.A.

Concerning N.N.Seulin's article "Cross section of the grounding strand of flexible cab-tire cables for mobile systems." Prom. energ. 17 no.9:58-59 S '62. (MIRA 15:8)

1. Korkinskiy trest ugol'nykh predpriyatiy (for Mavritsyn).
2. Gosudarstvennyy proyektnyy institut po proyektirovaniyu predpriyatiy elektromyashlennosti (for Kudryashov).
(Electric cables) (Seulin, N.N.)

KUDRYASHOV, S.A., inzh.

On the article by R.D.Marichev and I.L.Shegalov "New data sheets
for longitudinal side view of overhead electric power transmission
lines." Elek. sta. 33 no.7:92 J1 '62. (MIRA 15:8)
(Electric lines--Overhead) (Marichev, R.D.) (Shegalov, I.L.)

KUDRYASHOV, S.A., inzh.

Concerning N.A. Korzh's article "Grounding devices of the
electrical systems of hydraulic structures." Elek. sta. 34
no.7:90 J1 '63. (MIRA 16:8)

KUDRYASHOV, S.A., inzh.

Concerning N.P. Katigrob's article "Grounding systems of electric substations." Elek. sta. 36 no.8:86 Ag '65. (MIRA 18:8)

KUDRYASHOV, S.A., inzh.

Concerning N.P. Katigrob's article "Replacement of horizontal
surface-type grounding units with vertical ones. Elek. sta.
36 no.12:83 D '65. (MIRA 18:12)

21779-66 EWT(m)/EWP(i) RM

ACC NR: AP6002548

(A)

SOURCE CODE: UR/0286/65/000/023/0047/0047

AUTHORS: Trofimov, F. A.; Bukhtarova, Z. V.; Kharitonov, V. M.; Dubynin, A. A.;
Kudryashov, S. A.

35
B

ORG: none

TITLE: A method for purifying polycaproamide. Class 39, No. 176680

15

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 23, 1965, 47

TOPIC TAGS: oligomer, polymer, vacuum refining, polyamide compound

ABSTRACT: This Author Certificate presents a method for purifying polycaproamide from low molecular impurities by means of a vacuum distillation. To improve the technological process, the cyclic oligomers of ϵ -aminocaproic acid, which are present in the impurities, are decomposed catalytically at a temperature of 250--260C.

SUB CODE: 11, 07/SUBM DATE: 14Jul64

Card 1/1

OR

UDC: 678.675'126.025.4

KUDRYASHOV, S.F.

Fusibility, density, refraction index, viscosity, and surface tension of the binary systems monochloroacetic acid - dioxane and trichloroacetic acid - dioxane. Zhur.ob.khim. 33 no.6: 1718-1722 Je '63. (MIRA 16:7)

1. Permskiy gosudarstvennyy universitet imeni A.M.Gor'kogo.
(Acetic acid) (Dioxane)

L 17430-63

EWB(q)/EWT(m)/BDS AFFTC/ASD JD/JG

ACCESSION NR: AP3004351

S/0078/63/008/008/1955/1963

AUTHORS: Zhuravlev, Ye. F.; Shveleva, A. D.; Bogdanovskaya, R. L.; Kudryashov, S. F.; Schurov, V. A.

TITLE: Solubility in ternary aqueous salt systems containing cerium nitrate and a nitrate of alkali metal

SOURCE: Zhurnal neorganicheskoy khimii, v. 8, no. 8, 1963, 1955-1963

TOPIC TAGS: cerium nitrate, alkali metal, Na, K, Rb, sodium, potassium, rubidium

ABSTRACT: Authors studied the solubilities of the ternary systems $\text{Ce}(\text{NO}_3)_3$ - NaNO_3 - H_2O ; $\text{Ce}(\text{NO}_3)_3$ - KNO_3 - H_2O ; $\text{Ce}(\text{NO}_3)_3$ - RbNO_3 - H_2O ; and $\text{Ce}(\text{NO}_3)_3$ - CsNO_3 - H_2O at temperatures of 10, 20, and 30°C. It was found that the system $\text{Ce}(\text{NO}_3)_3$ - NaNO_3 - H_2O belongs to the system of a simple eutonic type. In the ternary system $\text{Ce}(\text{NO}_3)_3$ - KNO_3 - H_2O , regions in which the existence of double nitrates of the composition $\text{Ce}(\text{NO}_3)_3 \cdot 2\text{KNO}_3 \cdot 2\text{H}_2\text{O}$, $\text{Ce}(\text{NO}_3)_3 \cdot 2\text{RbNO}_3 \cdot 4\text{H}_2\text{O}$ and $\text{Ce}(\text{NO}_3)_3 \cdot 2\text{CsNO}_3 \cdot 4\text{H}_2\text{O}$ are detected can be found in the above indicated temperature interval. The double nitrates of $\text{Ce}(\text{NO}_3)_3 \cdot 2\text{KNO}_3 \cdot 2\text{H}_2\text{O}$ and $\text{Ce}(\text{NO}_3)_3 \cdot 2\text{CsNO}_3 \cdot 4\text{H}_2\text{O}$ dissolve in water incongruently and the double nitrate $\text{Ce}(\text{NO}_3)_3 \cdot 2\text{RbNO}_3 \cdot 4\text{H}_2\text{O}$ dissolves incongruently at a temperature of 10°C and congruently at temperatures of 20 and 30°C. Orig. art. has:

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L 17430-63

ACCESSION NR: AP3004351

4 tables, 2 figures and 4 diagrams of solubility isotherms.

ASSOCIATION: Permskiy gosudarstvennyy universitet (Perm
state university)

SUBMITTED: 26Jun62

DATE ACQ: 21Aug63

ENCL: 00

SUB CODE: CH

NO REF SOV: 002

OTHER: 002

Card 2/2

ZHURAVIEV, Ye.F.; KUDRYASHOV, S.F.

System K⁺, NH₄⁺ // Cr₂O₇²⁻, Cl⁻ - H₂O. Zhur. neorg. khim. 9 no.8:
1996-2006 Ag¹⁶⁴. (MIRA 17:11)

KUDRYASHOV, S.N., (Rostov-na-Donu)

Some sufficient conditions of the univalence of the solution of an
external inverse boundary value problem. Izv. vys. ucheb. zav.; mat.
no.3:105-110 '65. (MIRA 18:7)

KUDRYASHOV, S. Ya.

SOV/105-58-10-21/28

AUTHORS:

- 1) Dashchenko, I.T., Engineer
(Town of Uzhgorod)
- 2) Ryklin, F.G., Engineer (City of Voznesensk,
Nikolayevskaya Oblast')
- 3) Shapiro, I.M., Engineer (City of L'vov)
- 4) Ratner, M.P., Engineer
- 5) Kudryashov, S. Ya., Engineer
- 6) Khaytun, E.I., Engineer

TITLE:

Electric Power Engineering on a New Level (Elektroenergetiku - na novuyu stupen')

PERIODICAL:

Elektrichestvo, 1958, Nr 10, pp 86 - 90 (USSR)

ABSTRACT:

This is a discussion of the article by S.M. Gortinskiy and I.A. Syromyatnikov published in Elektrichestvo, 1957, Nr 10: 1) Even in electrified regions, as in the Ural, in the Donbass, etc. districts are found which are not connected with the power supply grid. To renounce the construction of small power stations could be of a detrimental effect. It would be most expedient to construct small power stations (with a power not below 25 MW) in greatly simplified power houses in a way enabling them of being translocated from one region to another. 2) Some measures of

Card 1/3

Electric Power Engineering on a New Level

SOV/105-58-10--21/28

rationalizing the construction, operation and distribution of power in the small power field. 3) The economic expediency of supplying new regions from power supply grids and of abolishing small power stations is substantiated by a practical example from planning work. 4) One of the principal reasons for the high prime costs of small steam turbine power stations is a mechanical transposition of the principal engineering schemes and of the design of large power stations to small-scale ones. More up-to-date principles of improving the operation factors of such stations are advanced and a conversion from a solid fuel to a liquid or gas fuel operation is requested. By the latter measure a complete automation of steam turbine power stations will be made possible. 5) Experience gained in the enterprises of the Glavelektromontazh demonstrated that the time has come to introduce an industrialized method of assembly. Each electrical equipment should be designed as one great block of equipment, weights reaching 2.5 t. 6) Insufficiencies and shortcomings in electrical industry are pointed out. A number of cases are mentioned, where it was impossible to obtain apparatus and parts of equipment which had been developed already a long time ago. There are 1 figure and 2 tables.

Card 2/3

Electric Power Engineering on a New Level

SOV/105-58-10-21/28

ASSOCIATION: 4) Transelektroproyekt
5) and 6) Kuybyshevskoye otdeleniye Elektroproyekta (Kuybyshev
Branch of the Elektroproyekt)

Card 3/3

KUDRYASHOV, V.

Radio - Exhibitions

Work of Kaluga radio amateurs. Radio, no. 2, 1952

9. Monthly List of Russian Accessions, Library of Congress, April 1952. Unclassified.

KUDRYASHOV, V. (Moskva)

Training of volunteer firemen. Pozh.delo 7 no.10:18 0 '61.
(MIRA 14:10)

(Moscow--Fire extinction--Societies)

KUDRYASHOV, V. (Moskva)

Every third worker is a volunteer fireman. Pozh.delo 8 no.1:6
Ja '62. (MIRA 15:1)

(Moscow--Fire extinction--Societies)

MOVCHAN, R.A.; MOISEYEV, I.A.; AYBABINA, A., uchitel'nitsa;
KUDRYASHOV, V.; TURKINA, O.I. (Rubtsovsk)

Editor's mail. Geog. v shkole 25 no.6:59-61 N-D '62.
(MIRA 15:12)

1. Starosel'skaya shkola Mogilevskoy oblasti (for Moiseyev).
2. Chulkovskaya srednyaya shkola Moskovskoy oblasti (for Aybabina).
3. 16-ya shkola g. Morozovska, Rostovskoy oblasti (for Kudryshov).
(Geography—Study and teaching)

ACC NR: AP6033584

SOURCE CODE: UR/0181/66/008/010/3124/3126

AUTHOR: Petrov, M. P.; Kudryashov, V. A.

ORG: Institute of Semiconductors, AN SSSR, Leningrad (Institut poluprovodnikov, AN SSSR)

TITLE: Nuclear magnetic resonance and hyperfine interaction in RbCoF_3

SOURCE: Fizika tverdogo tela, v. 8, no. 10, 1966, 3124-3126

TOPIC TAGS: nuclear magnetic resonance, hyperfine structure, frequency shift, line width, nuclear shell model, nuclear spin

ABSTRACT: The authors have investigated nuclear paramagnetic resonance in the paramagnetic crystal RbCoF_3 on the nuclei ^{59}Co , ^{87}Rb , and ^{19}F . Polycrystalline RbCoF_3 was obtained from a melt of RbCl and CoF_2 . The NMR measurement procedure was described earlier (FTT v. 7, 2156, 1965). Shifts of the resonant frequencies were observed for all nuclei. The corresponding shifts and line widths are given. It is shown how to determine the constants of the hyperfine interaction of nuclei with paramagnetic electron shells and to evaluate from them the spin density. Preliminary numerical values of the constants and of the spin density are given. The authors thank G. A. Smolenskiy for interest in the work and for a discussion of the results,

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ACC NR: AP6033584

and P. E. Syrnikov for preparing the samples. Orig. art. has: 2 formulas and 1 table.

SUB CODE: 20/ SUBM DATE: 07May66/ ORIG REF: 002/ OTH REF: 007

Card 2/2

KUDRYASHOV, V.A. (USSR)

"Physiological Anticoagulating System and Biochemical Scheme
of the Blood Coagulation."

Report presented at the 5th Intl. Biochemistry Congress,
Moscow, 10-16 Aug. 1961.

KUDRYASHOV, V.A., aspirant

Determination of the reliability of data transmission
through telegraph channels. Avtom., telem. i svyaz'
9 no.12:17-19 D '65.

(MIRA 19:1)

1. Leningradskiy institut inzhenerov zheleznodorozhnogo
transporta.

KUDRYASHOV, V.A.

New amphipod species of the family Lysianassidae (Amphipoda,
Gammaridea) from the Sea of Okhotsk. Zool. zhur. 44 no.4:
513-520 '65. (MIRA 18:6)

1. Leningradskiy gosudarstvennyy universitet.

KUDRYASHOV, V.A.

New species of Gammaridea (Amphipoda) from the northern part of the Sea of Okhotsk. Zool. zhur. 44 no.7:1086-1091 '65. (MIRA 18:9)

1. Kafedra gidrobiologii i ikhtiologii Leningradskogo gosudarstvennogo universiteta.

KUDRYASHOV, V. A. ENGR

Theory and Methods of Evaluation of Measurements

Dissertation: "Measures Against Silting Under Spud Dredges." Cand Tech Sci, Moscow
Inst of Nonferrous Metals and Gold imeni M. I. Kalinin, 1 Apr 54. (Vecheernyay
Moskva Moscow, 23 Mar 54)

SO: SUM 213, 20 Sep 1954

TYAZHELOV, Vadim Innokent'yevich; SAVEL'YEV, A.G., retsenzent; NAUMOV, M.K., retsenzent; LI, N.V., retsenzent; MASHUKOV, I.P., retsenzent; MYAKON'KIY, A.I., gornyy inzh., retsenzent; KUDRYASHOV, V.A., dotsent, retsenzent; PETRENKO, N.P., red.; SOROKIN, T.I. tekhn.red.

[Working a deposit by open-pit mining in the wintertime] Razrabotka mestorozhdenii otkrytym sposobom v zimniy period. Irkutsk, Irkutskoe knizhnoe izd-vo, 1958. 127 p.

(MIRA 14:5)

1. Gornorudnyy kombinat Irkutskogo sovnarkhoza (for Savel'yev, Naumov, Li, Mashukov, Myakon'kikh, Kudryashov)
(Strip mining--Cold weather conditions)

YUMATOV, Boris Petrovich, doktor tekhn. nauk; FILIMONOV, M.A.,
kand. tekhn. nauk, dots., retsenzent; KUDRYASHOV, V.A.,
kand. tekhn. nauk, dots., retsenzent; RADCHENKO, L.M.,
dots., kand. tekhn. nauk, retsenzent; FILIUS, A.I.,
dots., kand. tekhn. nauk, retsenzent; KAZAKOV, V.N., gornyy
inzh., retsenzent; ROSSMIT, A.M., otv. red.

[Mining machinery for working placer deposits] Gornye ma-
shiny dlia razrabotki rossypei. Moskva, Nedra, 1964. 374 p.

(MIRA 18:2)

1. Kafedra Irkutskogo politekhnicheskogo instituta (for
Kudryashov, Radchenko, Filus, Kazakov).

ACC NR: AP7005755

SOURCE CODE: UR/0126/67/023/001/0117/0122

AUTHOR: Ivanova, V. S.; Torent'yev, V. F.; Kudryashov, V. G.; Sabitova, N. S.

ORG: Institute of Metallurgy im. A. A. Baykov (Institut metallurgii)

TITLE: Mechanism of hardening during multiple deformation aging

SOURCE: Fizika metallov i metallovedeniye, v. 23, no. 1, 1967, 117-122

TOPIC TAGS: metal deformation, metal aging, metal heat treatment, creep, low carbon steel

ABSTRACT: The strength of metals can be additionally enhanced if they are deformed in stages alternating with aging. The best results are produced when the metal is subjected at room temperature to successive dynamic loadings up to a rigorously limited degree of deformation equal in magnitude to the creep plateau, alternated with intermediate aging (multiple thermomechanical treatment or MTMT). The MTMT of e.g. iron increases its yield point by 100-150% and ultimate strength by 50-75% while maintaining plasticity at the level of 17%. In this connection the authors investigated the dislocation structure of low-carbon steel and armco iron following their quadruple (i.e. 4-stage) MTMT with intermediate aging (150°C for 5 hr) after each stage of deformation. Dislocations were examined by etching with the reagent

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UDC: 539.4

ACC NR: AP7005755

LZ (100 cc of methyl alcohol + 1 g FeCl_3). Findings: the increase in the static and cyclic strength of armco iron and low-carbon steel following their MTMT is due to the formation of a stabilized dislocation structure which uniformly encompasses the hardened volume of the metal and leads to: a) limitation of surface deformation during cyclic loading of the metal and, as a consequence, retardation of the occurrence of fatigue cracks which, in its turn, prolongs the life of the metal; b) increase in the energy G_{lc} required for the propagation of a crack (per unit length of the crack). Knowledge of the parameters G_{lc} and K_{lc} (relative local increase in tensile stress at the leading end of a crack spreading under conditions of plane deformation) is an important and useful requirement for selecting the optimal regime of hardening treatment. Orig. art. has: 4 figures, 2 formulas.

SUB CODE: 13, 11/ SUBM DATE: 09Oct65/ ORIG REF: 008/ OTH REF: 007

Card 2/2

IVANOVA, V.S.; GORODIYENKO, L.K.; GEMINOV, V.N.; ZUBAREV, P.V.;
FRIDMAN, Z.G.; LIBEROV, Yu.P.; TERE'T'YEV, V.F.; VOROB'YEV,
N.A.; KUDRYASHOV, V.G.; BERLIN, Ye.N., red.

[Role of dislocations in the hardening and the failure of
metals] Rol' dislokatsii v uprochnenii i razrushenii metal-
lov. Moskva, Nauka, 1965. 179 p. (MIRA 18:10)

1. Moscow. Institut metallurgii. 2. Laboratoriya prochnosti
Instituta metallurgii im. A.A.Baykova, Moskva (for all except
Berlin).

ACC NR: AP6036757

SOURCE CODE: UR/0020/66/171/001/0077/0080

AUTHOR: Ageyev, N. V. (Corresponding member AN SSSR); Ivanova, V. S.; Petrova, L. A.;
Kudryashov, V. G.; Grankova, L. P.

ORG: Institute of Metallurgy im. A. A. Baykov, AN SSSR (Institut metallurgii
Akademii Nauk SSSR)

TITLE: Effect of structure on the resistance of β -titanium alloy crack propagation
27. 18

SOURCE: AN SSSR. Doklady, v. 171, no. 1, 1966, 77-80

TOPIC TAGS: titanium, molybdenum alloy, chromium containing alloy, iron containing
alloy, aluminum containing alloy, alloy heat treatment, ~~alloy structure, alloy~~
~~mechanical property~~/IVT-1 alloy

ABSTRACT: Specimens of IVT-1 β -titanium alloy of optimum composition (7% Mo,
5.5% Cr, 3% Fe, and 3% Al) were solution heat treated at 800C (the β -region), water
quenched, and aged at 450C for 50 hr, at 500C for 20 hr, at 525C for 15 hr, or at
500C for 15 hr. Microscopic examination showed that decomposition of the β -solid
solution became more uniform as the aging temperature increased. After aging at
525C for 15 hr, the alloy structure consisted of the β -solid solution matrix
uniformly reinforced with α -phase acicular fibers 2 μ or more long with a diameter
about one order lower. Similar precipitated α -phase fibers within β -grains and along
their boundaries were also observed in the alloy aged at 550C for 15 hr. In each

UDC: 669.295.5:620.17

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ACC NR: AP6036757

β -grain, the precipitated α -fibers appeared to be oriented predominantly along the slip planes. Aging conditions had no effect on the total volume of the precipitated fibers and affected only their form and distribution. The alloy aged at 525 or 550C had a tensile strength of 161 and 170 kg/mm², an elongation of 8.0 and 7.4%, and a reduction of area of 21.0 and 11.5%, respectively. The corresponding figures for unaged alloy were 150.7 kg/mm², 10.0% and 17.3%. Regardless of the aging conditions, IVT-1 alloy had a relatively low notch toughness of 2 kg·m/cm². However, the alloy aged at 525 and 550C had high resistance to crack propagation, indicating the alloy's low susceptibility to brittle failure under static loads. Therefore, IVT-1 β -titanium alloy reinforced with precipitated α -phase fibers can be recommended for structures with stress concentrators working under static loads. Orig. art. has: 2 figures and 1 table.

SUB CODE: 11/ SUBM DATE: 21Jul66/ ORIG REF: 001/ OTH REF: 004/
ATD PRESS: 5106

Card 2/2

L 27233-66 () EWT(m)/T/EWP(w)/EWP(t) IJP(c) JD
ACC NR: AM6003228 Monograph

40 UR/
37
B7C

Ivanova, V. S.; Gorodiyenko, L. K.; Geminov, V. N.; Zubarev, P. V.; Fridman, Z. G.;
Liberov, Yu. P.; Terent'yev, V. E.; Vorob'yev, N. A.; Kudryashov, V. G.

Role of dislocation in the strengthening and failure of metals (Rol'dislokatsii v uprochnenii i razrushenii metallov) Moscow, Izd-vo "Nauka", 1965. 179 p. illus., biblio. Errata slip inserted. 4500 copies printed.

TOPIC TAGS: metal, alloy, metal strength, alloy strength, dislocation, dislocation theory, thermomechanical treatment, metal failure

PURPOSE AND COVERAGE: The book is a continuation and development of the ideas of the late Professor I. A. Odintsov on the theory of dislocations. This theory served as the basis for the elaboration of new methods of strengthening metals and alloys. In the first part (Chap. I-IV) of this monograph the role of dislocations in the development of plastic deformation and the generation of flaws is discussed. In the second part (Chap. V-VII), the theoretical premises for metal and alloy strengthening with thermomechanical treatment and the effect of this treatment on the mechanical properties of metals and alloys under static and cyclic loads are reviewed.

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UDC: 669.018.25:669-17

L 27233-66

ACCNR: AM6003228

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Ch. I. Regularities of slopping and strengthening on the different grades of deformation -- 7

Ch. II. Formation of submicroscopic flaws during deformation as a result of multiplication of and interaction between defects of the crystal lattice -- 29

Ch. III. Effect of grain size, temperature, and deformation rate on the characteristics of metal fluidity -- 46

Ch. IV. Mechanism of brittle rupture and regularities in the defectibility of metals during creep -- 73

Ch. V. Basic premises for the development of methods of material strengthening by means of thermomechanical treatment -- 103

Ch. VI. Effect of basic technological factors on the effect of strengthening in thermomechanical treatment -- 119

Ch. VII. Increase of cyclic strength under combined thermomechanical treatment -- 148

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SUB CODE: 11/ SUBM DATE: 06Aug65/ ORIG REF: 180/ OTH REF: 238/

Card 2/2 C C

1 39959-66 EWT(m)/EWP(w)/T/EWP(t)/ETY IJP(c) ID
 Acc No AP6019770 SOURCE CODE: UR/0370/66/000/003/0130/0133

AUTHOR: Ivanova, V. S. (Moscow); Kudryashov, V. G. (Moscow); Terent'yev, V. F. (Moscow) 43
 43
 B

ORG: none

TITLE: Use of the energy of crack propagation in determining irreversible damage to a metal under a cyclic load 16

SOURCE: AN SSSR. Izvestiya. Metally, no. 3, 1966, 130-133

TOPIC TAGS: cyclic load, crack propagation, low carbon steel, plastic deformation

ABSTRACT: In order to evaluate the behavior of a metal under a cyclic load, in addition to the fatigue curve, which characterizes the final failure, it is also necessary to know the curve of irreversible damage, which reflects the start of microcrack formation in the metal. An attempt was made to determine the curve of irreversible damage for steel 20 (0.24% C) by using the crack propagation energy G_{lc} , obtained by using the method of G. R. Irwin. In studying the nature of the variation of G_{lc} with the number of cycles of the preliminary load, it was noted that the resistance to crack propagation is affected mainly by the following three factors: (1) the degree of plastic deformation of the material in front of the crack; (2) the interaction of the moving crack with the network of dislocations; (3) the extent of damage to the material (presence of pores, cracks, etc.). The experimental results obtained show

UDC: 539.43

Card 1/2

L 39959-66

ACC NR: AP6019770

that the determination of the energy required for the propagation of a crack in static tension may be a convenient criterion for evaluating the damage to a metal in the course of cyclic loading. By using this criterion, one can conveniently determine the line where microcracks begin to form in low-carbon steels subjected to cyclic loads. Orig. art. has: 3 figures and 2 formulas.

SUB CODE: 11,20/SUBM DATE: 24Jun65/ ORIG REF: 005/ OTH REF: 003

Cord 2/2 *HL 5*

L 11105-63

EPF(n)-2/T-2/BDS AFFTC/ASD/AFWL/SSD Pu-4 DM

ACCESSION NR: AP3001176

S/0089/63/014/005/0465/0468

64

AUTHOR: Ibragimov, Sh. Sh.; Sy*ahchikov, L. A.; Voronin, I. M.; Kudryashov, V. G.

TITLE: Investigation of spent fuel elements of the First Atomic Electric Station 19

SOURCE: Atomnaya energiya, v. 14, no. 5, 1963, 463-468

TOPIC TAGS: spent fuel element, First Atomic Power Plant, fuel burnup, micro-structure, microhardness, tensile strength, microcrack

ABSTRACT: Tests have been made of three spent tubular fuel elements used in the Pervaya atomnaya elektrostantsiya (First Atomic Power Plant) for 111, 324.5, and 557 days with mean fuel burnups of 11.8, 28, and 59%, respectively. The fuel elements consisted of two concentric steel tubes whose annular clearances were filled with fuel (a uranium-molybdenum alloy containing 9% molybdenum and metallic magnesium). During operation, the fuel elements were water cooled. Water inlet temperature was 175-190°C and exit temperature, 260-280°C. The maximal temperature of the external surfaces did not exceed 360-370°C. The tests involved external examination of the elements, exact measurement of the diameter, metallographic investigation, and mechanical tests of ten tubes. Although no external damage

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L 11105-63
ACCESSION NR: AP3001176

to the elements was found, a thin (about 1μ) oxide film, varying in color from light-brown to dark-gray, formed on the element surfaces, and some swelling appeared along the length of the fuel element; the maximal increase in diameter, which occurred at the middle point, amounted to 0.10, 0.15, and 0.20 mm for fuel elements operated for 111, 324.5, and 557 days, respectively. The microstructure of the tube material did not undergo significant changes. Interaction between steel, magnesium, fuel, and the surrounding medium was confined to the fuel elements which operated for 111 and 324.5 days. Microcracks up to 100 μ deep were found in fuel elements which operated for 557 days. The tensile strength and microhardness of the tubes increased and the elongation decreased. These changes were most pronounced for external surfaces. With an increase in fuel burnup, and consequently of integral neutron flux, the strengthening of the tube material increased. The results are recommended for use in designing similar type reactors. Orig. art. has: 5 figures and 2 tables.

ASSOCIATION: none

SUBMITTED: 21Jun62

DATE ACQ: 21Jun63

ENCL: 02

SUB CODE: NS

NO REF SOV: 005

OTHER: 000

Card 2/42

BOGOSLOVSKIY, Yu.N.; KUDRYASHOV, V.I.; LUZYANIN, B.P.; MAKAROV, G.N.;
MUZYCHENKO, L.A.

Method of automatic determination of ammonia in a current of gas.
Zav.lab. 29 no.2:158-159 '63. (MIRA 16:4)

1. Moskovskiy khimiko-tekhnologicheskii institut imeni D.I.Mendeleyeva.
(Ammonia) (Coke-oven gas)

BOGOSLOVSKIY, Yu.M.; ZHVAKINA, L.D.; KUDRYASHOV, V.I.; MAKAROV, G.N.

Simultaneous measurement of the thermal effects and the viscosity
of coal during heating. Zav. lab. 31 no.11:1362-1363 '65.

(MIRA 19:1)

1. Moskovskiy khimiko-tekhnologicheskii institut imeni Mendeleeva.

BOGOSLOVSKIY, Yu.N.; KUDRYASHOV, V.I.; MAKAROV, G.N.

Automatic method of determination of the interval of the plastic state
of coal. Zav.lab. 29 no.2:198-199 '63. (MIRA 16:5)

1. Moskovskiy khimiko-tekhnologicheskii institut imeni
D.I.Mendeleyeva.

(Coal—Permeability)

KUDRYASHOV, V.I.

Metering apparatus for chemical poisons and dusts. Patent U.S.S.R. 76,507 ,
Dec. 31, 1949.
(CA 47 no.19:10170 '53)

KUZNETSOV, Yu.I.; KUDRYASHOV, V.K.

Pneumatic and hydraulic devices used in the machine-tool industry.
Stan.i instr. 29 no.6:7-12 Je '58. (MIRA 11:7)
(Oil hydraulic machinery)

SOV/122-59-2-22/34

AUTHORS: Kudryashov, V.K., Engineer and Kuznetsov, Yu.I. Engineer

TITLE: Replacement of Accessories for Machines (Obnovleniye stanochnykh prispособleniy)

PERIODICAL: Vestnik Mashinostroyeniya, 1959, Nr 2, pp 60-61 (USSR)

ABSTRACT: Illustrations are given of a hydraulically operated holding fixture to replace the bolted clamps normally used in milling and boring machines. The fixture is operated by an individual hydraulic pump which charges a spring loaded accumulator through a pressure relay. The pump runs only while the clamping fixture is being closed. The fixture can also be operated by a pneumatic-hydraulic system. The clamping piston and cylinder is double acting in that the cylinder is floating and bears against one side of the clamp through spherical washers while the piston exerts pressure on the opposite clamp through a tie rod (Fig 3). Four sizes of this fixture will be produced by "Orgstankinprom" with pressure cylinder diameters from 60 to 90 mm giving clamping pressures from 1225 to 3250 kg. There are 3 figures.

Card 1/1

S/121/61/000/001/003/009
D040/D113

AUTHORS: Kuznetsov, Yu. I., and Kudryashov, V.K.

TITLE: New hydraulic machine tool fixtures

PERIODICAL: Stanki i instrument, no. 1, 1961, 8-11

TEXT: Detailed illustrated description of new hydraulic fixtures developed by the institut "Orgstankinprom" ("Orgstankinprom" Institute) is given. All machine tool fixtures designed by the Institute are divided into two groups: (1) hydraulic fixtures with an electric pump and a hydraulic accumulator, and (2) air-hydraulic fixtures. The hydraulic group has three different design principles: (1) with built-in cylinders, i.e. with cylinders placed in the casing of the fixture itself; (2) with universal hydraulic lever drives that are placed on the machine tool table and are connected by the levers to the mechanical elements; (3) with cylinders that are screwed on the clamping pins like nuts. Description and illustrations are given of the following units: (1) УП-26 (UP-26) hydraulic system with electric pump and hydraulic accumulator, powering the hydraulic systems of a machine tool

Card 1/3

S/121/61/000/001/003/009
D040/D113

New hydraulic machine tool fixtures

group (from 1 to 5 machines). The UP-26 system is illustrated by a schematic diagram, and its electric pump by a photo. (2) A pressure transformer (similar in principle to one designed by the zavod "Krasnyy proletariy" /"Krasnyy proletariy" Plant/), consisting of one air cylinder and two hydraulic cylinders of low and high pressure which raise oil pressure 17.4 times compared with atmospheric pressure. It requires a dehydrating and filtering device in the air system. (3) An eight-position fixture with built-in cylinders, designed for milling flats on flanges (in horizontal milling machines). (4) A universal YП-132 (UP-132) hydraulic-lever drive for milling attachments. (5) A fixture for milling splines, with a UP-132 drive for clamping. (6) A fixture for milling flats on 12 ring-shaped parts at a time and one for milling flats on small-size shafts. (7) A hydraulic (GZ) clamping screw-on cylinder. Four screw-on cylinders of this type, (GZ-1 to GZ-4), with diameters of 40, 50, 60 and 70 mm, can produce a clamping effort of 640, 1000, 1440 and 1960 kg/cm² respectively at 50 kg-f/cm² oil pressure in the system. Hydraulic clamping fixtures are suitable for modernization of existing clamping devices with manually actuated clamping

Card 2/3

New hydraulic machine tool fixtures

S/121/61/000/001/003/009
D040/D113

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